

Date: Sun, 30 Oct 94 12:31:04 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: List
Subject: Info-Hams Digest V94 #1172
To: Info-Hams

Info-Hams Digest Sun, 30 Oct 94 Volume 94 : Issue 1172

Today's Topics:

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 Radio kits
 Red Cross Affiliations
 round the world flight
 WWW server for amateur callsigns etc. (2 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 30 Oct 1994 16:19:45 GMT
From: moritz@ipers1.e-technik.uni-stuttgart.de ()
Subject: AM AIRBAND INFO

>> An amateur radio HT that is modifiable would do nicely.

>

>It might 'do nicely', but would it be legal ? Certainly not in the U.S. and
>probably not in any Western European country either.

Of cause it is relly illegal, but from what I heard it is done, eg.

by delta gliders.

Looks like if you have a license for the services where you transmit, and only handle traffic as appropriate, noone is going to jump on you for not carrying seperate radios. (Other milage...)
There are handies around, that do this right away w/o mods.

73, Moritz DL5UH

Date: 30 Oct 94 19:20:47 GMT
From: w3qns!bob (Bob Brandhof)
Subject: ANS-302 BULLETINS

SB SAT @ AMSAT \$ANS-302.01
PHASE 3-D TOP TO BOTTOM REVIEW

HR AMSAT NEWS SERVICE BULLETIN 302.01 FROM AMSAT HQ
SILVER SPRING,MD OCTOBER 29,1994
TO ALL RADIO AMATEURS BT
BID: \$ANS-302.01

PHASE 3-D INTERNATIONAL SATELLITE TEAM MEETS IN GERMANY TO REVIEWS ONGOING PROGRESS

Members of the Phase 3-D International Satellite Design Team met in Marburg, Germany October 12th to 23rd, 1994. Dr. Karl Meinzer, DJ4ZC, AMSAT-DL President, the Phase 3-D Project Team Leader, and Werner Haas, DJ5KQ, AMSAT-DL Vice-President hosted the series of detailed meetings which included a "top-to-bottom" review of progress on all the satellite's systems and sub-systems. During the discussions, team members also bench-tested a number of flight hardware electronic items, and set the final operating frequencies for the spacecraft's transmitters and receivers.

"It was a marathon session," said Dick Jansson, WD4FAB, AMSAT North America's Vice President for Engineering, upon his return to the United States on October 24th from the Marburg meetings. Dick went on to note that, as a result of the session, team members are now very confident that all key elements of the project are on schedule and that the spacecraft's integration in Florida can continue without interruption.

Several critical schedule milestones were achieved during the meetings. Among them were completion of all the formal documentation accompanying AMSAT's "Application to Use Ariane" (DUA) along with the necessary Safety Submission. Together, these documents constitute the formal, written request to The European Space Agency (ESA) regarding how AMSAT proposes to

safely mount Phase 3-D on the Ariane 5. It took several members a number of days to complete this highly complex task. In addition, an ESA representative visited with the team in Marburg during the session to discuss details of Phase 3-D's interface to the Ariane 5.

Another series of meetings involved Dr. Andras ("Bandi") Gschwindt, HA5WH, and two of his colleagues, all from the University of Budapest. These meetings finalized the P3-D power system's architecture and the design of the Battery Charge Regulator (BCR). Bandi has been involved with the BCRs on all previous Phase 3 spacecraft.

Also present at the session was Freddy de Guchteneire, ON6UG, Phase 3-D's Frequency Coordinator. Under Freddy's expert guidance, the team finalized all of Phase 3-D's frequency passbands. This all-important step cast the frequencies in "quartz" for the spacecraft's RF units. Freddy will make a separate public announcement in the near future listing Phase 3-D's final frequency passbands in more detail. In addition, Freddy, Dr. Karl Meinzer and Werner Haas, DJ5KQ, spent a considerable amount of time bench-testing the nearly completed flight models of the V and U band receivers.

Karl also met with Michael Scharfe, DH7UX, and Ralf Zimmermann, DL7FDT, both of the University of Darmstadt, regarding the details of the spacecraft's reaction wheel stabilization system. During these meetings, the overall design approach for the reaction wheel system was finalized and Michael and Ralf are now in the process of turning Karl's fundamental mechanical, magnetic and mathematical design concepts into actual flight hardware for the spacecraft. Another key element of this critical process involved a series of meetings among Karl, Dick Jansson and Wilfred Gladish. During these meetings, the team modified and finalized both the location and design for the reaction wheel mounting hardware.

On October 19th, Peter Guelzow, DB20S, joined the session and directed several key discussions regarding the status and availability of the remaining spacecraft modules. After extensive discussions with the RUDAK group in Munich, the team concluded that the RUDAK-E experiment would not be available and therefore will not fly. However, good construction progress on the RUDAK-U, the user-oriented digital communications system, as well as its special relationship to other onboard high-speed data experiments, such as the SCOPE cameras and GPS experiment, were noted. Peter and Werner also held some very detailed side meetings that finalized the specific architecture for the RUDAK-U.

Matjaz Vidmar, YT3MV arrived on Friday 21st October to discuss various design aspects of the receivers he is building for P3-D. Other discussions noted favorable progress now being made on Phase 3-D's IF matrix as well as the LEILA system. In a related development, Peter agreed to oversee construction of all of Phase 3-D's CheckOut Test Equipment (COTE). This equipment will be a critical hardware and software suite providing remote

command and control of the spacecraft during integration, checkout and launch.

Finally, the team conducted a detailed "top-to-bottom" schedule review of the project. All agreed that the schedule timing is "tight". However, in closing, Dr. Meinzer expressed his satisfaction with the progress to date, and expressed confidence that the time allotted for all remaining critical activities in the project schedule appear both realistic and achievable.

ANS thanks to Dick Jansson, WD4FAB, and Peter Guelzow, DB20S, who contributed the information that went into this News Release}

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SB SAT @ AMSAT \$ANS-302.02
ITAMSAT BACK ON

HR AMSAT NEWS SERVICE BULLETIN 302.02 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 29, 1994
TO ALL RADIO AMATEURS BT
BID: \$ANS-302.02

Due to heavy workload and the desire to turn to different interests, Alberto I2KBD, has appointed Gianluigi IK2V00 as main command station and Stefano IK20YD as backup. After some training, on 20 October IK2V00 successfully turned on ITAMSAT and exercised some onboard functions. Both transmitters (435.867 MHz and 435.822 MHz) were commanded on and some telemetry was collected. The spacecraft was in good shape, the battery well charged and the main parameters in nominal status. After a week of tests, with the main purpose of better training the new command stations in the commanding procedures, IO-26 was reset in preparation to the main software reload.

ANS thanks Alberto Zagni I2KBD and the ITAMSAT Command team for this information.

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SB SAT @ AMSAT \$ANS302.03
WO-18 PROBLEM

HR AMSAT NEWS SERVICE BULLETIN 302.03 FROM AMSAT HQ
SILVER SPRING. MD OCTOBER 29, 1994
TO ALL RADIO AMATEURS BT
BID: \$ANS302.03

WEBERSAT WO-18 PROBLEM NOTED

A problem seems to have developed on WO-18. It has become difficult to copy packets from the satellite. We don't have a handle on the cause yet said Chris Williams WA3PSD. We are in the process of getting some test equipment into the ground station to get a look at the signal. To the ear, it sounds essentially as it always has. It is not currently impossible to copy, but data quantities received during a pass are reduced about 30% -- and that's only if one "tweaks" the IF shift on one's receiver. With no special tuning efforts, results seem worse. Frankly he added, it is not clear special tuning procedures are helping. It appears to be an intermittent problem. Telemetry does not indicate anything wrong.

Chris added that there is some control of the RC transmitter's phasing available and they will explore it as a solution. We also may switch back to the straight BPSK transmitter on occasion to determine if that is a superior alternative, he concluded.

Chris asks that anyone who has information or suggestions relative to WO-18 to please drop him a note via Internet at cwilliams@cc.weber.edu.

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SB SAT @ AMSAT \$ANS-302.04
WEEKLY OSCAR STATUS REPORTS

HR AMSAT NEWS SERVICE BULLETIN 302.04 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 29, 1994
TO ALL RADIO AMATEURS BT
BID: \$ANS-302.04

Weekly OSCAR Status Reports: 29-OCT-94

AO-13: Current Transponder Operating Schedule:

N QST *** AO-13 TRANSPONDER SCHEDULE *** 1994 Sep 12 - Dec 19
Mode-B : MA 30 to MA 150 |<- OFF Oct 22 - Nov 07 for eclipses
Mode-B : MA 150 to MA 190 | max duration 2h 12m
Mode-BS : MA 190 to MA 218 |
Mode-S : MA 218 to MA 220 |<- S beacon only
Mode-S : MA 220 to MA 230 |<- S transponder; B trsp. is OFF
Mode-B : MA 230 to MA 30 | Blon/Blat 230/0
Omnis : MA 250 to MA 140 | Move to attitude 180/0, Dec 19

The battery charge state is of paramount importance during the eclipse seasons. As always the command team may have to have to make temporary changes to the published schedule. In that case we will try to minimize the inconvenience, setting Mode-B OFF from MA 230-256 in the first

instance.

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[G3RUH/DB20S/VK5AGR]

Despite reports of power system problems, leading to orientation difficulties, attributed to Space News, it has been reported that MIR: German Astronaut Ulf Merbold, DP3MIR, has been active from the Russian space station MIR over Europe during the recent evenings. Unfortunately the power supply problem aboard MIR, has apparently prevented Ulf from using the Digital Voice Memory and obviously reducing his activity to only a few passes a day over Europe. DP3MIR is scheduled to stay aboard MIR until about 3-NOV-94. It is hoped that he will be active over other continents besides Europe. The QSL info is: DP3MIR via the usual German (DARC) QSL Bureau. [DF5DP]

WO-18 Operating but apparently suffering some kind of problem. See accompanying bulletin.

F0-20: JJ1WTK reports that on 19-OCT-94 that all software needed to start the BBS was completed and the BBS is now in full operation. JJ1WTK notes also that it has been 4 years since F0-20 was placed into orbit. The batteries on F0-20 are performing far better than those aboard F0-12 at this same point in F0-20's life. However, the F0-20 batteries have degraded slightly and this has caused a change in the battery voltage power control unit telemetry item (abbreviated by PCU) to change to level 3. [Kazu Sakamoto (JJ1WTK) qga02014@niftyserve.or.jp]

A0-21: The "total-shutdown" of the amateur radio payload A0-21 (including the CW-beacon on 145.818MHz) on the main spacecraft INFORMATOR 1 occurred during the following time period: 94-10-12 15:00 UTC & 94-10-13 11:42 UTC. If anyone was watching the shutdown when it happened or can narrow this time interval to the very instant it happened, this will be very helpful data to understanding what is going on with INFORMATOR 1. The A0-21 Command Team is looking forward to hearing from you. Please send your comments via PACKET to Robert: DD4YR @DB0AAB.#BAY.DEU.EU or via INTERNET to Peter at db2os@amsat.org. [DB20S/DG2CV/DD4YR]

A0-27: When A0-27 is over North America, it has its amateur radio payload activated in digital mode almost 100% of the time. [N4USI]

YOUR ATTENTION PLEASE
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

During the month of NOVEMBER you have a NEW AMSAT NEWS SERVICE editor, W3QNS. PLEASE send all information to w3qns@amsat.org on the internet or to 76446,1615 on COMPUSERVE. I will be grateful for all help! I also wish to thank BILL T. W3X0 for all the help in getting this together.

The AMSAT NEWS Service (ANS) is looking for volunteers to contribute weekly OSCAR status reports. If you have a favorite OSCAR which you work on a regular basis and would like to contribute to this bulletin, please send your observations to W3QNS at my CompuServe address or to w3qns@amsat.org. Also, if you find that the current set of orbital elements are not generating the correct AOS/LOS times at your QTH, PLEASE INCLUDE THAT INFORMATION AS WELL. The information you provide will be of value to all OSCAR enthusiasts.

/EX

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Bob Brandhof

w3qns!bob@seq.cms.uncwil.edu

w3qns@amsat.org

Packet w3qns@kd4psx

Date: 29 Oct 1994 16:14:31 GMT
From: davesparks@delphi.com (Dave Sparks)
Subject: Callsign/address databases-privacy i

> And-- if you have one of those commercial PO Boxes that resemble a
> street address and used that as a residential address, the CA DMV
> eventually finds out your actual residence address (I know-- I'm
> figuring the DMV got my true residential address from my insurance
> company or the area public utilities. Eventhough they mailed the bills
> and other misc. info to the mailing address, what a surprise last year
> during vehicle registration renewal that my residential address
> appeared on the new registration slip...)

Did you get any traffic tickets during the year, and give the cop your residence address? If so, that's probably how they found out, since they get copies of the tickets.

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|           | Internet: davesparks@delphi.com |
| Dave Sparks | Fidonet: Dave Sparks @ 1:207/212 |
|           | BBS: (909) 353-9821 - 14.4K |
| KD6PDZ | Packet: KD6PDZ@N0ARY.#NOCAL.CA.USA.NA |
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Date: 29 Oct 1994 02:34:37 GMT
From: hmn@panix.com
Subject: Don't Let PRB-1 Die On Long Island -HELP!

R.A.D.I.O., (The Radio Amateurs Defense & Information Organization) needs your

help. Possibly you have seen the story in print or heard about it on Newsline or your local repeater: The Town of Hempstead, in New York State has taken a strong stand against amateur radio. They have decided to try and regulate the emissions of amateur radio operators. In October 1993, the Town of Hempstead on Long Island NY denied the request of NK2T for his 55 ft radio tower. This tower was installed back in 1984 with authorization of the town. Then an RFI complaint came in from a neighbor. The town decided to come after NK2T and order him to either go for a full varience hearing. A hearing was held and the request for the permit was denied. The original permit allowed Mark to a 30 ft. tower. After PRB-1 was passed Mark decided to raise his crankup tower to the 55ft height. Prior to raising the tower, Mark approached the town officials and they told him not to be concerned since the original installation was approved.

So \$20,000 later and a full blown lawsuit going on, NK2T still has not received authorization to keep his radio tower. The R.A.D.I.O. group was formed to help defray the costs of this legal suit and ultimately help change the laws in the Town of Hempstead.

We need all the support we can get form the amateur radio community. If you would like to support us our addres is

R.A.D.I.O
c/o P.O. Box 343
Williston Park, New York 11596

Or Call the 24 hr/day hotline at 516-735-2500 - For Information on this case.

Regards,
from Long Island

.....
H. Mark Nadel
Levittown, New York, USA
Internet address: hmn@panix.com
Packet address: nk2t@ny2s#nli.ny.usa.na
Radio Station NK2T / AFA1FX
.....

Date: 28 Oct 1994 13:56:29 GMT

From: bd27015@bingsuns.cc.binghamton.edu (Phlatline)
Subject: IP Address

I have a question about IP addresses. I have my liscense and i am looking to open up a packet station.

1) Are the IP address "permenant" meaning that it's mine for as long as i want? or are they just unique ip's that are put into an address base on a nameserver based upon my callsign?

2) Do I have to have a station up shortly after i get the IP or can i just get the IP and hang on to it until i get the station up and running?

--Dave Graff

Date: 30 Oct 1994 16:22:44 GMT
From: moritz@ipers1.e-technik.uni-stuttgart.de ()
Subject: Israel Radio Traffic

How about OSCAR? It is not completely dead as yet..

73, Moritz

Date: 28 Oct 1994 17:50:10 GMT
From: fuat@tintin.cc.columbia.edu (Fuat C. Baran)
Subject: Listserver Info wanted

In article <CyCvuC.n0x@vectorbd.com>, Jim Lill <jpll@vectorbd.com> wrote:
>I'm looking for info on listservers that might be of interest to hams.
>Please include info on how to subscribe!
>
>So far, I have nos-bbs, qrp, mars

I maintain a list in the Columbia Univ ARC home page
(<http://www.cc.columbia.edu/~fuat/cuarc/>). A direct URL to the
list of mailing lists is:

<http://www.cc.columbia.edu/~fuat/cuarc/mailling-lists.html>

--Fuat, N2YGN

P.S. Corrections, updates, etc. welcome.

Columbia University
703 Watson Labs
612 W115th Street
New York, NY 10025

fuat@columbia.edu
212-854-4804
212-662-6442 (Fax)
N2YGN

Date: Sat, 29 Oct 1994 00:29:44 GMT
From: gbrewer@neon.icsl.ucla.edu (Gregory A. Brewer)
Subject: Newbie questions

I am a Newbie to everything. I have a friend who got me interested in amateur radio. I have studied the questions for technician and novice. I am now just starting to work on my code so that is why I have several questions that hopefully somebody can help me with....

- 1) I need to find out when/where are the tests given for novice/tech in the L.A. preferably the Hollywood area. Also I would like to know how much it costs to take the tests.

Does anyone know this information? Anyone?... Anyone?... Ferris? Because if the tests aren't given too frequently, I can just try to work on my code and get my tech-plus and skip the nocode.

- 2) Where can I get the code practice software? My friend has it but only for the mac.
- 3) What's W1AW? I realize it is a call sign but for what?
- 4) What is an electronic keyer with side paddles?

I appreciate any help you can give me.

Please help a poor and unfortunate student get his call sign and that way he can add more stuff to his .sig =8^)

Thanks,
Brew

<=====>

Gregory Brewer gbrewer@icsl.ucla.edu

DoD#931 AMA# 310492 '93 ZX6 '94 Nikes
Team Posse: If you want some, Let me break you off some.

o_/_\o
(0_0)
\H/
U

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Brew

Date: Fri, 28 Oct 94 21:46:26 -0500
From: wcoyle@delphi.com
Subject: No code Techs and CW...

I started out in this hobby as a No Code Tech, so this is my no means No code bashing. The bottom line is this: If you want access to HF bad enough, you'll take the TIME and EFFORT to learn the code. Two things that people think are a factor in learning code are;

- 1: age
- 2: Intelligence

I'm hear to tell you this is bull. If you want to learn code there is only one way. Practice, practice, practice. It's been proven that the most learning impared and low I.Q. folks can learn to copy code, and if I can learn how to do it, trust me, you can do it to.

Try doing something for yourself, instead of whining for something to be given to you and you will gain something you never knew before. The satisfaction of being able to say "Yeah, it was tough to learn the code, but I did it, I BEAT it"

Once you have that, no one can legislate it or steal it from you, it's yours forever!

=====
William A. Coyle
No Company
WCOYLE@DELPHI.COM
No School
N30GH

No Time

"Any man who gives up long term freedom for short
term safety deserves neither freedom
nor safety." Benjamin Franklin

A.R.R.L, Mobile Sixers,TRiARC,N.R.A.

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Date: Sun, 30 Oct 1994 18:33:17 GMT
From: jonathan.swan@welcom.gen.nz (Jonathan Swan)
Subject: Radio kits

Dave ... & young lady ! I teach electronics here in New Zealand (& have
3 children !), & have a number of ideas on getting your YL started !
However I'll spare detail until you respond. Initial thoughts are of
course ye classic CRYSTAL SET, but an eternally popular quick project
I've found is an FM TRANSMITTER ! Kids LOVE to hear themselves over the
radio of course . The Australian Electronics chain "DICK SMITH
ELECTRONICS" has a VERY wide range of DIY kits ... I'll post you a
catalog. if you wish. They used to have outlets in California too.
As a footnote suggest the solderless breadboards... LEAVE SOLDERING !
Regards Stan & Jonathan SWAN (Radio ham ZL2AJZ)

Date: Sat, 29 Oct 1994 06:50:46
From: hopken@interaccess.com (Ken Hopkins)
Subject: Red Cross Affiliations

Hi. I'd like to chat with some hams that have an active affiliation with the
American Red Cross. If you're either a Red Cross volunteer or not but are
affiliated with the Red Cross please e-mail me at my address shown below.
Tnx...

=====

Ken Hopkins WA9WCP		Internet - HOPKEN@interaccess.com
Disaster Team		AMPRnet 44.72.1.162
American Red Cross		AX.25 WA9WCP@W9ZMR.IL.USA.NOAM

Date: Sat, 29 Oct 1994 00:16:07 GMT
From: n9315@pnet16.navy.mil (Et2 Sheff)

Subject: round the world flight

There is no reason it can't be on board. Of course the pilot/operator must be licensed. He will also want to check for operating permission in the airspace of countries other than the one they are licensed in.

It wasn't mentioned if there was HF or VHF coverage preferred, this can be important. HF would help for the international waters/remote area comms, but even the VHF at altitude has a good coverage area. Either way the operator would sign as ****/AM (Aeronautical Mobile).

The FCC states (I believe) that permission must be granted from the pilot of the aircraft for aeronautical operation.

Another item, have the radio(s) installed into the aircraft, as part of the airframe it's less likely to produce interference. This does have to be checked upon installation.

Date: Fri, 28 Oct 1994 18:45:08 GMT
From: anderson@dseg.ti.com (John H. Anderson)
Subject: WWW server for amateur callsigns etc.

Does anyone the address of a www or gopher site that has amateur callsign or other server?

* John H. Anderson *
* Internet: anderson@dseg.ti.com *
* N50PY *
* CompuServe: 71174,2625 *

Date: 29 Oct 1994 13:40:40 GMT
From: scotte@ccs.neu.edu (Scott Ehrlich)
Subject: WWW server for amateur callsigns etc.

In article <1994Oct28.184508.29394@mksol.dseg.ti.com>,
John H. Anderson <anderson@dseg.ti.com> wrote:
>Does anyone the address of a www or gopher site that has amateur
>callsign or other server?

>
>
>*****

>* John H. Anderson *
>* Internet: anderson@dseg.ti.com *
>* N50PY *
>* CompuServe: 71174,2625 *
>*****

Check out the Boston Amateur Radio Club's Web page.

It has connections to various other services.

URL:<http://www.acs.oakland.edu/barc.html>

--

Scott Ehrlich Amateur Radio Callsign: wy1z E-mail: wy1z@neu.edu
Boston ARC ftp archives: ftp oak.oakland.edu /pub/hamradio
Boston ARC Web page: <http://www.acs.oakland.edu/barc.html>
Ham Radio and More: <http://www.acs.oakland.edu/barc/ham-more/ham-more.html>

Date: 29 Oct 1994 08:23:05 GMT
From: mjsilva@ix.netcom.com (michael silva)

References<RFM.940ct24155951@urth.eng.sun.com> <Cy9A6K.CAM@news.Hawaii.Edu>,
<38lo8b\$fs0@portal.gmu.edu>
Subject: Re: The (1929) Amateur Code

In <38lo8b\$fs0@portal.gmu.edu> smasters@bzy.gmu.edu (Shawn C. Masters)
writes:

> That's funny. Everyone I know that wants to build gets a
No-code, since when does code help with desing/building electronics.
>Of course I must agree that most No-coders aren't of this vain.

>
> 73 from a No-code
> Shawn
> KE4GHS
>

I'd like to hear what all these folks are building, since beginning
builders who don't have access to HF (where the great majority of
beginning building has always occurred) are such a new phenomena to ham
radio.

Mike, KK6GM

End of Info-Hams Digest V94 #1172
